Translation







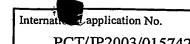
PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference RK15008F	FOR FURTHER AC	CTION	See Form PCT/IPEA/416			
International application No.	International filing dat	te (day/month/year)	Priority date (day/month/year)			
PCT/JP2003/015742	09 December 20	03 (09.12.2003)	10 December 2002 (10.12.2002)			
International Patent Classification (IPC) or national classification and IPC H01S 3/105						
Applicant	RIK	EN				
This report is the international prelin Authority under Article 35 and trans	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 					
2. This REPORT consists of a total of	4 sheets,	including this cover s	heet.			
3. This report is also accompanied by A		_				
a. (sent to the applicant and	l to the International Bu	reau) a total of	sheets, as follows:			
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications rela		ms:				
Box No. I Basis of the re	eport					
Box No. II Priority						
Box No. III Non-establish	ment of opinion with re	gard to novelty, invent	ive step and industrial applicability			
Box No. IV Lack of unity	of invention					
Box No. V Reasoned state citations and e	No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1						
Box No. VII Certain defect	Box No. VII Certain defects in the international application					
Box No. VIII Certain observations on the international application						
Date of submission of the demand		Date of completion of	f this report			
16 June 2004 (16.06.2004)		28 October 2004 (28.10.2004)				
Name and mailing address of the IPEA/JP A		Authorized officer				
Facsimile No.		Telephone No.				





PCT/JP2003/015742

Box No	. I Basis of the report
1. With other	regard to the language, this report is based on the international application in the language in which it was filed, unless
	This report is based on translations from the original language into the following language, which is language of a translation furnished for the purpose of:
	international search (under Rules 12.3 and 23.1(b))
	publication of the international application (under Rule 12.4)
l	international preliminary examination (under Rules 55.2 and/or 55.3)
	,
J	regard to the elements of the international application, this report is based on (replacement sheets which have been shed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" are not annexed to this report):
	The international application as originally filed/furnished
	the description: pages
	, as originally filed/furnished
1	pages* received by this Authority on pages* received by this Authority on
l	
	the claims:
ĺ	pages, as originally filed/furnished
Ī	pages*, as amended (together with any statement) under Article 19 pages*
	10001100 by this reductive on
	the drawings:
	pages, as originally filed/furnished
	pages* received by this Authority on
	pages* received by this Authority on
	a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3.	The amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos.
	the drawings, sheets/figs
	the sequence listing (encertail)
	the sequence listing (specify):
	any table(s) related to sequence listing (specify):
4.	This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
i	the claims, Nos.
	the drawings, sheets/figs
	the sequence listing (specify):
	any table(s) related to sequence listing (specify):
* If iten	n 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIM: RY REPORT ON PATENTABILITY

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of: the entire international application. claims Nos	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
claims Nos	The questions applicable ha	s whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially ve not been examined in respect of:
the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify): the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify): the claims, or said claims Nos. are so unclear that no meaningful opinion could be formed. are so inadequately supported by the description that no meaningful opinion could be formed. no international search report has been established for said claims Nos. 3-6, 8-13 the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that: the written form has not been furnished does not comply with the standard the computer readable form has not been furnished does not comply with the standard the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.	the	entire international application.
the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specifi): the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specifi): the claims, or said claims Nos. are so unclear that no meaningful opinion could be formed. no international search report has been established for said claims Nos. 3-6.8-13 the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that: the written form has not been furnished does not comply with the standard the computer readable form has not been furnished does not comply with the standard the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.	⊠ clai	ims Nos
the claims, or said claims Nos		said international application, or the said claims Nosate to the following subject matter which does not require an international preliminary examination (specify):
by the description that no meaningful opinion could be formed. no international search report has been established for said claims Nos	the are	description, claims or drawings <i>(indicate particular elements below)</i> or said claims Nos so unclear that no meaningful opinion could be formed <i>(specify)</i> :
the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that: the written form	by t	claims, or said claims Nos are so inadequately supported he description that no meaningful opinion could be formed.
the written form has not been furnished does not comply with the standard the computer readable form has not been furnished does not comply with the standard the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.	no in	nternational search report has been established for said claims Nos
does not comply with the standard the computer readable form has not been furnished does not comply with the standard the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.	the n	nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the ninistrative Instructions in that:
the computer readable form has not been furnished does not comply with the standard the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.	the v	written form has not been furnished
does not comply with the standard the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.		does not comply with the standard
the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.	the c	computer readable form has not been furnished
The Administrative Instructions.		does not comply with the standard
see Supplemental Box for further details.	the ta	ables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with echnical requirements provided for in Annex C-bis of the Administrative Instructions.
	see S	Supplemental Box for further details.

Box No. V Reasoned statement		·	РСТ/ЈР03/15742	
citations and explana	tions supporting s) with regard to novelty, inventiv such statement	e step or industrial applicability	/ ;
1. Statement				
Novelty (N)	Claims		_	YES
	Claims	1, 2, 7	1	NO
Inventive step (IS)	Claims			– YES
	Claims	1, 2, 7	1	NO
Industrial applicability (IA)	Claims	1, 2, 7		– YES
	Claims	1,2,1		- NO
				- 110
2. Citations and explanations (Rule 7	0.7)			
Document 2: JP, 5-283785, A Document 3: JP, 6-104520, A (Family: none) Document 4: JP, 11-214803, none) Document 5: JP, 2001-16844 2001/18922, A1 Document 6: JP, 2001-26767 WO, 2001/59889, A1 Document 7: JP, 2001-33279 (Family: none) Claims 1, 2, 7	A (Komatsu Lt A (Komatsu L 0, A (Cymer, 1 3, A (Cymer, 1	d.), 15 April, 1994, Par. Notd.), 06 August, 1999, Par Inc.), 22 June, 2001, Full t Inc.), 28 September, 2001,	os. [0013]-[0015], Fig. 2 . Nos. [0041], Fig. 3 (Fan ext; Figs. 1, 2, 6, 9-11 & Full text; Figs. 10, 12-14	nily: WO,
	novel or to invented a dispersion the later from the mirring is reflected	ited to have adaptive optical element for receiving an of laser medium is received befor having adaptive optics and the control of the mirror having adaptive optics.	ocuments 17 describe a la s, a laser medium provide output light from said lase y a mirror having adaptive	ser d er e